19.
ಂಡಿತ್ತರ್ ಕ್ಕೆ ಪತ್ರ.
:04.06.2017

500/805495100 ರ
ಬರ್ಟೆಂಬರ್.

o Engineer 4/06
pura Division
Zone, B.B.M.P.
re-560092

N.J. 04/06

M. A. R. 57 (Rule 116) Work code - 005-16-000052
Measurement Book
No. B 495001
Est Cost Rs - 450.00 Lakhs

Serial No. I[st] And Part Bill
Name of Work .... From........ To........
Name of Contractor of nature of Agency Sri. K.R. Santosh Kumar. No. 04 Samrudhi AVR Block I[st] A Main Dhanalakshmi Layout Virupakshapura Bangalore - 560097
SBR No - 18/28 08/18
Date of commencement of work

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement
	Name of work -	Package.1 - Improvements to Roads and Drains Providing Ammentties construction & Ro water Plant Bangalore one center Providing Sodium Vapour Lights Sign Boards in Ward No. 05 and Ward No 06 Byatarayanapura Division As Per Annexure Go No UDD 217 SFC 2016 Dated 28 2016 Works SL No					
	Work order No. -	BBMP/EE/BTP/WO/61/2017.18.					
	Recorded on 05/06/18						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.50 mtr excavated surface covered and sides neatly dressed the disposed earth to be covered neatly after breaking clods complete as per specification Morth Chapter 3 with all lead and lift loading and unloading and all other incidental charges etc., complete as per specification and direction of the Engineer incharge of the Work.						
	Srirampura Quantity recorded vide Page No. 1 to 2					291.90	
	Telecom layout Quantity recorded vide Page No. 1 to 2					187.43	

M. A. R
Meas

Serial No. .....
Name of Work ..... From....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Jakkur lake Quantity Page No.	
	Sampigehally Quantity Page No.	
	Marathi layout Quantity Page No.	
	Rate: 172:00	Quan

th	Contents 7	Reference to last Measurement 8
ng in ordinary Soil ow upto 2 metres and ge area covered and to be covered neatly r Specification Work g and unloading and se as per Specification the Work. vide	291.90	
ide	187.43	

M. A. R. 57 (Rule 116) **No. B**

Measurement Book

495002

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Jakkur lake Quantity recorded vide page No. 1					81.72	
	Sampigehally Quantity recorded vide page No. 1					134.52	
	Marathi layout Quantity recorded vide page No. 1 to 2					204.61	
				Total Qty -		900.18 M^3	
				BOQ Quantity -		899.45 M^3	154705=40
	Rate: 172=00			Quantity to be paid now -		899.45 M^3	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Removing and refixing in CM 1:3 with all lead and all other incidental charges etc. complete as per specification and direction of the Engineer in charge of the work.	Stone Slabs &		Drain and Pointing		and loading and unloading and	
	Jakkur Lake	Quantity recorded vide Page No. 1 to 2				216.00	
	Marathi layout	Quantity recorded vide Page No. 3 to 4				1476.00	
						1692.90 m^2	
				BOQ Qty.		1695.60 m^2	
	Rate. 74:00	Quantity to be Paid Now				1692.90 m^2	125274:60

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(3)	Providing Granis and fixed in cem Complete 7.5 cms d and all other incide and direction of the Jakkur Lake. Q Sampigehally.

OK

Depth 6	Contents 7	Reference to last Measurement 8
...ts of	Draing and Painting	
...ding	and unloading and	
...mplete as	per specification	
...arge of the	work.	
...rded	216.00	
...rded		
h	1476.00	
	1692.90 m2	
Qty.	1695.60 m2	
Paid Now	1692.90 m2	125274=60

M. A. R. 57 (Rule 116)
Measurement Book

No. B 495003

Serial No. ....
Name of Work .... From.................... To....................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(3)	Providing Granite Slabs of Selected Quality roughly dressed and fixed in cement Mortar 1:6 including fixing curing etc.. complete 7.5cms thick with all lead and lift loading and unloading and all other incidental charges etc.. complete as per specification and direction of the Engineer incharge of the work.						
	Jakkur Lake. Quantity recorded vide Page No. 3					58.05	
	Sampigehally. Quantity recorded vide Page No. 1 to 2					507.60	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Maruthi layout	Quantity recorded vide page No. 4 to 5				174.15	
						739.80 M^2	
				BOQ Qty.		741.15 M^2	
		Quantity to be paid Now				739.80 M^2	
	Rate. 612:00						452757:60
(4)	Providing and laying in position Plain cement Concrete in mix 1:3:6 with OPC cement @ 220 kg with hand mix and down size graded granite metal Coarse aggregate @ 0.82 cum and fine aggregate @ 0.465 cum per cum of the mixed Concrete						

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Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Laid in Layers not in foundation incl & necessary curing all cost and lift to dental charges etc... & the Engineer in cha	
	Srirampura quan page	
	Jalakur Cable Quan page	

OK

Depth 6	Contents 7	Reference to last Measurement 8
ded	174.15	
	739.80 m^2	
dy.	741.15 m^2	
d Now	739.80 m^2	
	452757-60	
Plain cement Concrete 220 kg with hamm and coarse aggregate as 0.852 cum the mixed Concrete		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 495004

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Laid in Layers not exceeding 15 cms in foundation including cost & all necessary labour & materials during Compaction as per specification with all lead and lift loading and unloading and incidental charges etc.. Compacted as per specification and direction of the Engineer in charge of the work.					Circle Well compacted	
	Srirampura quantity recorded vide page No. 2					4.14	
	Jalkur Cabe Quantity recorded vide page No. 2					2.25	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sampige hally. Quantity recorded vide page No. 2					3.30	
	Nagasimalayas. Quantity recorded vide page No. 5					6.99	
	New Name Boards Quantity recorded vide Page No. 2					4.50	
						21.18 M³	
					Book adj.	21.18 M³	
	Quantity to be Paid now					21.18 M³	
	Rate - 4921 : 40						104226 : 78

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(5)	Providing and Co... Masonry in Sou... ened dressed in ... as 2.0 MSR apart ... lags in curing Co... all Lead and Lift ... charge etc.. Comple... Srirampura. Du... Pa...

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
rded		3.30	
rded		6.99	
rded		4.50	
		21.18 M³	
by		21.18 M³	
d now		21.18 M³	104226 : 78

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 495005

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(5)	Providing and Constructing Granite/trap/basalt size stone masonry in foundation with cement Mortar 1:6 Stone hammered dressed in courses not less than 20 cms high bond stones at 2.0 Mtr apart in each course including cost of materials, all lead and lift loading and unloading and all other incidental charges etc.. complete as per specification. Srirampura. Quantity recorded vide Page No.		2 to 3			21.60	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Jakkur Cave. Quantity recorded vide Page No. 3					8.10	
	Sampigehally. Quantity recorded vide Page No. 2 to 3					13.20	
	Marashi layout. Quantity recorded vide Page No. 5 to 6					27.97	
						70.87 M^3	
	BOQ Quantity					72.90 M^3	
	Quantity to be paid Now					70.87 M^3	
	Rate- 4083:00						289362:21

M. A
M

Serial No. ....
Name of Work .... Fro
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Numbe 3
	(6) Providing flush point uncoarsed stone Ma deep after raking jo including cost of mesem cation com all lead an allowing incidental c and direction of Enchar Srirampura. Quantity Page No.	

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		rded vide	
		8.10	
		rded vide	
		13.20	
		rded vide	
		27.97	
		70.87 M³	
		earing 72.90 M³	
		- Paid Now 70.87 M³	
			289362:21

M. A. R. 57 (Rule 116)
Measurement Book

No. B

495006

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(6)	Providing flush pointing to Square Rubble Course or rubble coursed Stone Masonry with cement Mortar 1:3 20mm deep after raking joints to depth & 20mm wide key lining including cost & materials labour curing Complete as per Specification all lead and lift loading and unloading and allowance incidental charges etc. complete as per Specifications and direction of Incharge & the work. Sriramapura. Quantity recorded vide Page No. 3					36.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Jakkur Cave. Quantity recorded vide Page No. 3					13.50	
	Sampigehalli. Quantity recorded vide Page No. 3					22.00	
	Maruthi layout. Quantity recorded vide Page No. 6					46.62	
						118.12 M^2	
						B/F Qty - 121.50 M^2	
	Rate - 95.00					Quantity to be Paid Now 118.12 M^2	11221.40

M. A
M

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
(7)	Providing and laying 1 Mix 1:2:4 with cem graded granite meta aggregate of 0.475 cu not exceeding 15 cms finish and cures including compose as per specs and reloading and all as per specification a	

th	Contents 7	Reference to last Measurement 8
vide	13.50	
do	22.00	
vide	46.62	
	118.12 M^2	
	121.50 M^2	
Now	118.12 M^2	
		11221 : 40

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

495007

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(7)	Providing and laying in position Plain Cement Concrete 1 Mix 1:2:4 with Cement of 20mm and down size graded Granite metal coarse aggregate of 0.69 cum and fine aggregate of 0.45 cum machine mixed Concrete laid in layer not exceeding 15cms thick well Compacted in foundation Plinth and sides including Cost of all materials, labour, curing Complete as per Specification with all lead and lift loading and unloading and all other incidental charge etc.. Complete as per Specification and Direction of Engineer in charge of the work.						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Srirampura. Quantity recorded vide Page No.. 3					1.44	
	Jakkur Lave Quantity recorded vide Page No.. 3					0.90	
	Sampigehally. Quantity recorded vide Page No. 3					1.32	
	Marushi Layout. Quantity recorded vide Page No.. 6					3.11	
						$6.77\ M^3$	
	BOQ Qty.					$6.66\ M^3$	
	Rate - 5306:00 Quantity to be Paid Now					$6.66\ M^3$	35337:96

M.

Serial No. ....

Name of Work .... Fr

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Numb 3
	(8) Providing and fixing ... for drains in cement ... jelly 20mm and 40 ... form work lift chan... on four sides etc.- Co... direction & Engineer... etc loading and ren... etc.. complete as ... Engineer incharge & ...	

Contents	Reference to last Measurement
7	8
ude	
1.44	
de	
0.20	
e	
1.32	
de	
3.11	
.77 M3	
.66 M3	
.66 M3	35337.46

M. A. R. 57 (Rule 116)
Measurement Book

No. B

495003

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(8)	Providing and Fixing RCC Precast Cover Slab 8 200 mm thick for drain in cement Concrete M20 using graded granite jelly 20mm and down size with steel reinforcement including form work like chamfering curing and Concrete finished smooth on four sides etc. complete and as per drawing and the direction & Engineer incharge & the rate with all Cost and like loading and unloading and all other incidental Charges etc.. complete as per specification and direction & the Engineer incharge & the work.						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Srirampura. Quantity recorded vide Page No. 3 to 4					74.52	
	Jakkur Cave. Quantity recorded vide Page No. 4					12.96	
	Sampige hally. Quantity recorded vide Page No. 4					18.36	
	Maruthi Layout. Quantity recorded vide Page No. 6 & 7					44.28	
						150.12 M²	
	[signature] [signature] BOQ Qty -					105.30 M²	
	Rate - 4892.00 Quantity to be paid now					105.30 M²	515127.60

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency

Date of commencement of work ....

Date 1	Full description, etc, of work 2
(9)	Construction o... Borrow Areas C... taken from Borr... road cum WM ... Spread sloped a... as per Specifica... tion loading and... compacted of Re... inchange & the wo...

OK

Depth 6	Contents 7	Reference to last Measurement 8
d wide	74.52	
d wide	12.96	
d wide	18.36	
d wide	44.28	
	150.12 m^2	
y -	105.30 m^2	
Now.	105.30 m^2	515127.60

M. A. R. 57 (Rule 116)
Measurement Book

No. B

495009

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(9)	Construction & Median and island with Soil taken from Borrow Areas Construction & Median and island with Soil taken from Borrow Areas Construction & Median and island as per Road level with approved material deposited from borrow pits Spread sloped and Compacted as per Clause 300.7 Compaction as per Specification Morth Specification NO 407 with all Leadand lift loading and unloading and all other incidental charges etc. Compacte as per Specification and direction & the Engineer incharge & the work.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Jakkur Cabe. Quantity recorded vide Page No. 4 to 5					207.90 m^2	
						207.90 m^2	
					BOQ Qty.	208.05 m^2	
	Rate. 192:00				Quantity to be paid Now.	207.90 m^2	
							39916:80
(10)	Providing and laying heavy duty cobble stones 60 mm thick interlock pavers using cement and coarse sand for manufacture of stones of approved size shape and colour with a minimum compressive strength of 28 kg per sq.mm 50 mm thick sand bed (average thickness) and compacting						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	WSM Place vibrated pave & sand cushi & paver surface i labour and tools & all load and lift charges etc.. comp Jakkur Cabe.

Depth 6	Contents 7	Reference to last Measurement 8
...ed vide		
	207.90 M²	
	207.90 M²	
...y. 208.05 M²		
...d Now. 207.90 M²		
		39916:80

...sse stones 60mm
...ent and coarse sand
...size shape and colour
...8 281 kg per sqm...
...ers) and compacting

M. A. R. 57 (Rule 116)

Measurement Book

No. B 495010

Serial No. ....

Name of Work .... From............................ To............................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	with plate vibrator having 3 tons compaction force thereby forcing joint & sand underneath to come up in between joints and complete & paver surface joints into its final level including cost of material labour and HOM & machineries complete as per specification with all lead and lift loading and unloading and all other incidental charges etc.. complete as per specification.						
	Jakkur Lake. Quantity recorded vide page No. 5 to 6					2772.00 M²	
						2772.00 M²	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					BOQ Quantity. 2774.00 m²		
					Quantity to be paid NOW.	2772.00 m²	
	Rate - 889.00					2464308.00	
(11)	Scarifying existing Bituminous Surface to a depth 800mm by Mechanical Means Scarifying the existing bituminous Road Surface to a depth 50mm and disposal of Scarified material and compose as per Specification MORTH Section NO 305.4-3 With all load and lift loading and unloading and all other incidental Charges also compose as per Specification and direction of the Engineer incurse of the work.						

M. A
M

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Telecom layouts.	Qua Page
	Rate. 7.00	
(12)	Excavation for Road W & 0.90 cum bucket ca in Tippers Trimming b	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
...uantity. 2774.00 m²		
...ow. 2772.00 m²		
		2464308:00

...surface to a depth 800mm
...the existing bituminous
... and disposal & scarified
...ication MORTH specification
... loading and unloading
...ete complete as per
...engineer incharge the

M. A. R. 57 (Rule 116)

Measurement Book

No. B 495011

Serial No. ....

Name of Work .... From................................ To.......................................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Telecom layout.	Quantity page No. 2103		recorded		vide 3175.03 m³	
						3175.03 m³	
			BOQ Quantity			3176.08 m³	
	Quantity to be paid now.					3175.03 m³	
	Rate: 7:00						22225:21
(12)	Excavation for Road work in soil with hydraulic excavator & 0.90 cum bucket capacity including cutting and loading in tippers trimming bottom and side slops in accordance						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With leadlinements & lines grades and cross section and transporting to embankment location and cross section and transporting to location etc.. complete as per specification with all lead lift loading and unloading and all other incidental charge etc.. complete as per specification and direction of the Engineer incharge the work.						
	Srirampura. Quantity recorded vide Page No. 4 to 5					599.84	
	Jakkur Lake. Quantity recorded vide Page No.. 6					53.91	
	Sampigehalli. Quantity recorded vide Page No. 4 to 5					385.94	

M. A
M

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	Marathi layout. Quan Page	
	Rate. 137:00	
(13)	Providing laying aggregate to wet Mix	SPN

OK

Depth 6	Contents 7	Reference to last Measurement 8
es and Cross section.		
olation and Cross section		
compose as per		
ding and unloading		
compose as per		
ance increase the cost		
ded vide	599.84	
vide	53.91	
vide	385.94	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

495012

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Maruti Layout. Quantity recorded vide Page No.. 7 to 8					198.94	
						1238.63 M^3	
						1239.78 M^3	
	Rate. 137:00			BOQ quantity.		1238.63 M^3	169692:31
(13)	Providing laying Spreading and Compacting graded stone aggregate to WBM Mix Macadam Specification including						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Premixing the material by tipper to site laying in uniform Layers with Paver in Sub base base course and well prepared Surface and compacting with vibrator Roller to achieve the desired density Complete as per Specification MORTH Specification No 406 with all lead and lift loading, unloading and all other incidental charge etc., Complete as per direction & the Engineer in charge & the work. Sriramapura. Quantity recorded vide Page No., 5 to 6 — 551.85 Telecom Layout. Quantity recorded vide Page No. 3 to 4 — 635.01						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Jakkur Lake. Qua Page Sampigehally. Qua Page Maruthi Layout Qu Page. 1627 : 0

OOK

Depth 6	Contents 7	Reference to last Measurement 8
...er to side laying in uniform		
...ase course on well prepared		
...vator roller to achieve		
...s per specification MORTH		
...and use loading and unloading		
...e " complete as per specification		
...se & the work.		
...ed vide	551-85	
...rded vide	635.01	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 495013

Serial No. ....
Name of Work .... From.............................. To..
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Jakkur Lake. Quantity recorded vide Page no. 6 to 7					49.60	
	Sampigehally. Quantity recorded vide Page no. 5					591.78	
	Marutni layout Quantity recorded vide Page no. 7 to 8					198.94	
						2027.18 M^3	
	BOQ Quantity					2025.73 m^3	
	Rate - 1627:00 Quantity to be paid now					2025.73 m^3	3295862:71

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14)	Providing and applying Primer coat with SS bitumen emulsion on prepared surface of granular base such as WBM WMM including cleaning of road surface and spraying primer @ the rate of 0.60 kg/sqm using mechanical means complete as per Specification As per Morth Specification Clause No. 502 with all lead and lift loading and unloading and all other incidental charges etc. complete as per Specification and direction of Engineer in charge the work.						
	Sriramapura. Quantity recorded vide page no. 6 to 7					2399.35	
	Telecom Layout. Quantity recorded vide page no. 2 to 3					3175.03	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Jakkur Lake. Quan... Page
	Sampigehally. Qu... Pag
	Marakki Layout. Q... P
	Rate - 27:00

BOOK

...ns Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

...coat WM SS bitumen emulsion
...base such as WBM WMM
...ee and spraying primer
...sing mechanical means
... As per Morth Specification
...ing cost loading and unloading
... etc... complete as per
...neer in charge the works.
...d vide

2399.35

...ded vide

3175.03

M. A. R. 57 (Rule 116)
Measurement Book

No. B 495014

Serial No. ....
Name of Work .... From.................................. To.......................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Jakkur Cave. Quantity recorded vide Page No. 7					215.65	
	Sampigehalli. Quantity recorded vide Page No. 6					2572.95	
	Marathi Layout. Quantity recorded vide Page No. 9 to 10					832.70	
						9195.68 M^2	
	BOQ Qty.					9221.90 M^2	
	Rate - 27:00 Quantity to be paid Now					9195.68 M^2	248283:36

[signatures]

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(15)	Cleaning the existing black topped surface with brooms soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials labour T&P machinery complete as per specification Morth specification 5 with all lead and lift loading and unloading and unloading and all other incidental charges etc... complete as per specification and direction of the Engineer in charge of the work.						
	Srirampura. Quantity recorded vide page No. 7 to 8					2842.05	
	Telecom layout. Quantity recorded vide page No. 6 to 7					1667.47	

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2
	Jakkur Lave : Qu... Po...
	Marathi Layout : ... Pa...
	Rate : 3:28

BOOK

Depth 6	Contents 7	Reference to last Measurement 8
topped surface with		
...acing dressing over old		
...air to receive bituminous		
...terials layer from 2		
...ication mostly excavation		
...and levelling and rolling		
...etc. complete as per		
...Engineer incharge of the		
...orded vide		
	2842.05	
...ded vide		
	1667.47	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 495015

Serial No. ....
Name of Work .... From................................ To....................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Jakkur Lake. Quantity recorded vide Page No. 7 to 8					1591.85	
	Marathi layout. Quantity recorded vide Page No. 10 to 11					6221.90	
						12323.27 m²	
			BOQ Quantity			10374.10 m²	
[signature]	[signature]	Quantity to be paid now				10374.10 m²	
	Rate: 3.18						32989.64

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	Providing and applying tack coat using 80/100 Grade bitumen (VG 10) on prepared black topped surface of 2.5 m per 10 sq.mtr heading bitumen in boiler fitted with spray set (Excluding cleaning & road surface) including cost & all materials labour T&M & machineries complete as per specification MoRTH Clause 5.3 with all cost and carriage loading and unloading and all other incidental charges complete as per specification.						
	Sriramapura - Quantity recorded vide Page No..		8 to 10			9010.05	
	Telecom layout - Quantity recorded vide Page No..		7 to 8			4842.80	

M.
N

Serial No. .....
Name of Work ..... Fr
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Jakkur Lake - Quan Page	
	Sampigehally - Quan Page	
	Maraki Layout - Quan Page	
	Rate - 12.72	Quo

OOK

...th	Depth 6	Contents 7	Reference to last Measurement 8

...at using 80/100 grade
...ack topped surface of 2.5...
...in boiler fitted with spray...
...d surface) including cost...
...e[illegible] complete as per...
...with all cond and over...
...[illegible] incidental charges on...

...corded vide
...10 | 9010.05
...corded vide
...0 8 | 4842.80

M. A. R. 57 (Rule 116)
Measurement Book

No. B 495016

Serial No. ....
Name of Work .... From.................................. To.....................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Jakkur Lake. Quantity recorded vide Page No. 8 to 9					2023.15	
	Sampigehally. Quantity recorded vide Page No. 6					2572.95	
	Marathi Layout. Quantity recorded vide Page No. 12 to 14					7702.65	
						26151.30 M^2	
	BOQ. Quantity					24347.00 M^2	
	Rate - 12.72 Quantity to be paid Now					24347.00 M^2	309693.84

[signature] [signature]

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(17)	Providing and laying dense bituminous Mecadam 50-75 mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity HMP using crushed aggregate grading II premixed with VG 30 grade bitumen binder and Transporting the hot mix to work site laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled vibratory and tandem rolling to achieve the desired compaction as per Morth table 500.10 complete in all respects compacted as per specification with all lead and lift loading and unloading and all other incidental charges etc. complete as per specification.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	Sriramapura. Quan... Page...	
	Jalakur Cave. Quan... Page...	
	Maruthi Layout. Qu... Page...	
	Rate. 7036:28	

BOOK

...ons		Contents	Reference to last Measurement
...eadth 5	Depth 6	7	8

...bituminous macadam with 4.5% VG-30 Bitumen ... using crushed aggregate ... VG 30 grade bitumen binder ... to required size laying with ... required grade level and ... with wheeled vibrating ... the desired compaction ... in all respects complete ... and top coating and ... charges etc. complete

M. A. R. 57 (Rule 116)
Measurement Book

No. B 495017

Serial No. ....
Name of Work .... From.................................. To..............................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Srirampura. Quantity recorded vide Page No.. 10 to 11					190.43	
	Jakkur Lake. Quantity recorded vide Page no.. 9					11.23	
	Marushi Layout. Quantity recorded vide Page no. 14 to 15					35.12	
						236.78 M^3	
				BOQ	Qty.	237.55 m^3	
	Rate. 7036.28 Quantity		to be paid	now		236.78 M^3	1666050.38

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(18)	Providing and laying bituminous Concrete 30.00mm Compacted thickness with VG-30 Bitumen grade using 10-60 HMP using crushed aggregates & grading II premixed with bituminous binder @ 5.4% & mix at hot transporting the hot mix to work site laying with a mechanical paver finisher to the required grade camber & alignment rolling with smooth wheeled vibratory grade camber and alignment rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per MORTH and Specification Clause No. 500.9 Complete in all respects as per Specification with all lead and lift etc., complete as per Specification.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Srirampura. Ou Pa
	Telecom Layout.
	Jakkur Cave.
	Sampigehally,

...OK

Depth 6	Contents 7	Reference to last Measurement 8

...Compense 30-40mm
...50 Bitumen grade using
...ases & grading 11
...r of 5.4% & mix and furn
...ed laying with a mecan
...rade level and alignment
...afting grade level and
...wheeled vibratory and
...desired compaction
...clause No. 500.9 Comple
...n with all lead and
...cation.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 495018

Serial No. ....
Name of Work .... From........................ To........................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Srirampura.	Quantity recorded vide page no. 11 to 12				209.66	
	Telecom lay out.	Quantity recorded vide page no. 8 to 9				193.70	
	Jakkur Cave.	Quantity recorded vide page No. 10				72.30	
	Sampigehally.	Quantity recorded vide page No. 7 to 8				102.92	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Maruthi Layout. Quantity recorded vide page no. 15+16					282.18	
						860.76 M^3	
						Boq qty. 783.84 M^3	
	Rate. 8013:60					Quantity to be paid now 783.84 M^3	
							6281380:2
(19)	Providing and laying of hot applied thermoplastic compound 2.5mm thick including depositing glass beads at 200 gms per Sqmtr area thickness of 2.5mm is exclusive of Sunpreet applied glass beads as per IRC as the finished Surface to be cured rough and free						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	From Streets a... Mason Specifica... and unloading a... the work.
	Sriramapura. A... P
	Telecom Layout.
	Jakkur Lake. A...

OOK

Depth 6	Contents 7	Reference to last Measurement 8
corded vide		
16	282.18	
	860.76 m^3	
Qty.	783.84 m^3	
Paid Now	783.84 m^3	
	6281380:2	
lied thermoplastic		
ing reflectorising glass		
a thickness & 2-mm		
glass beads as per IRC		
lared rectangular size		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

495019

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	From Streets and holes complete as per Specification Morth Specification No. 803 WM all Lead and lift loading and unloading and direction of the Engineer incharge & the work.						
	Sriramapura. Quantity recorded vide page No.. 12 to 13					160.00	
	Telecom Layout. Quantity recorded vide page No.. 9 to 10					189.60	
	Jakkur Lake. Quantity record ed vide page No.. 10 to 11					57.00	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
	Sampigehally. Quantity recorded vide page no. 8 to 9					80.60	
	Marashi layout. Quantity recorded vide page no. 16 to 17					218.00	
						705.20 M²	
	BOQ Quantity					686.00 M²	
	Quantity to be paid now					686.00 M²	
	Rate. 499:00						342314:00
(20)	Providing and making Precast Seating arrangement including excavation laying PCC M15 providing laying M20 concrete for pedestal and seating slab including all necessary bolt and nuts etc. complete and as per						

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2
	the direction & lead and lift loading charges etc.. complete & the Engineer in
	Jakkur Lake. Qu
	Rate. 9669:00

OK

Depth 6	Contents 7	Reference to last Measurement 8
ded vide	80.60	
ded vide	218.00	
	705.20 m^2	
antity	686.00 m^2	
Now	686.00 m^2	
	342314:00	
ing arrangement		
M/s providing laying		
ring slab including all		
ete and as per		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

495020

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	the direction & Engineer in charge (Under base) with all lead and lift loading and unloading and all other incidental charges etc.. complete as per specification and direction & the Engineer incharge & the work.						
	Jaipur base, quantity recorded vide Page no., 11					12.00	
						12.00 Nos	
				BOQ Qty-		12.00 Nos	
	Rate-9669:00 Quantity to be paid Now					12.00 Nos	116028:00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Bangalore one corner Ward no. 05 recorded vide page no. 12 to 13					23.04	
	Bangalore one corner Ward no. 06. recorded vide page no. 10					11.52	
						34.56 M^2	
				BOQ Qty		46.08 M^2	
	Rate - 3794.00			Qty to be paid now		34.56 M^2	13120
(115)	Applying priming coats over new wood surface and or wood based surface after brushing with ready mix enamel priming paint including preparing						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	the surface ass... and Foreign ma... mix paint includ...
	Bangalore one c... recorded vide pa...
	Bangalore one co... recorded vide pa...
	Rate - 31.10

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
No. 05 13		23.04	
No. 06.		11.52	
		34.56 M^2	
BOQ Qty-		46.08 M^2	
Paid Now		34.56 M^2	13/120
er new wood surface			
asser brushing wsh ready			
including preparing			

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Measurement Book

No. B

495081

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	the surface asser thoroughly cleaning oil grease dirt and foreign matter sand papering and knotting ready mix paint including cost of materials etc. complete.						
	Bangalore one corner ward no. 05 recorded vide page no. 13					6.30	
	Bangalore one corner ward no. 06 recorded vide page no. 10					3.15	
						9.45 M^2	
				BOQ Qty		12.60 M^2	
	Page- 31	Qty to be paid now				9.45 M^2	292:95

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(116)	Providing and applying Painting two coats (exclusive of priming coat) on new wood surface and or wood base surface after dusting dust and foreign matter, sand papering including cost of materials complete as per specification etc. complete as per specifications						
	Bangalore one center Ward No. 05 recorded vide page No. 13					6.30	
	Bangalore one center Ward No. 06 recorded vide page No. 11					3.15	
						9.45 m^2	
					BOQ Qty -	12.60 m^2	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Page - 83 to 00
M7	LED Street li... pressure die ca... heat sink ... injection mou... with high transmi... specification a...

BOOK

...dth	Depth 6	Contents 7	Reference to last Measurement 8
...ing two coats (cement... surface and or wood bas... ...n matter sand ... ...ation complete as the ... as per specifications			
No. 05		6.30	
No. 06		3.15	
		9.45 M²	
...ea Avg -		12.60	M²

M. A. R. 57 (Rule 116)
Measurement Book

No. B 495082

Serial No. ....

Name of Work .... From............................ To............................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
[signature]	Rate - 83.00	Quantity to be paid [signature]				Now 9.45 M²	784.35
(117)	LED Street light supply & LED Street light with pressure die cast aluminium housing body with optimal heat sink for better thermal dissipation diffuser with injection moulded and is made of poly carbonate material with high transmission index etc. complete as per specification and direction of the engineer in charge of the work.						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Ward no. 06 recorded vide page No. 1 to 3					77.00	Nos
				Bal	asy.	77.00	Nos
		Asy	to be	paid	Now.	77.00	Nos
	Rate - 17222:00						1326094=
118	Supplying and fixing B class GI pipe brackets upto 2 mtr long bent of suitable angle and arm for fixing brackets 1x40/2x40 watts fluorescent tube street light fittings to all categories RCC/GI or ST pole wall using suitable clamps bolts and nuts etc. complete as per specification.						

4951 W.05

Serial No. ....
Name of Work ....
Name of Contractor of nature of Agenc[y]
Date of commencement of work ....

Date 1	Full description, etc, of work 2
	Ward No. 06 3 to 5
	Rate. 822[illegible].0[illegible]
119	Wiring for [illegible] insulated [illegible] wires single [illegible] system of w[illegible]

BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
e page			
		77.00	Nos
BOQ	qty.	77.00	Nos
paid	Now.	77.00	Nos
			1326094:-
ss	AHI pipe brackets		
idable	angle and [illegible]		
atts fluorescent fuse			
carriers	kitchen [illegible]		
ble clamps bolts and			
specification.			

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Measurement Book

No. B 495083

Serial No. ....
Name of Work .... From.............................. To...................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ward No. 06 recorded vide page No. 3 to 5					115.00	Nos
				BoQ qty.		115.00	Nos
		Qty	to be	paid	Now	115.00	Nos
	Page. 822/.00						94530:00
119	Wiring for lighting power circuit using one of PVC insulated 1100 V grade standard Aluminium conductor wires single core/multi core cable in open or concealed system of wiring [illegible] sq mm WM all and [illegible] complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Ward No. 06 recorded vide Page No. 5 to 7					330.00 Nos	
				BOQ qty.		330.00 Nos	
	Rate - 6/:90			Qty to be Paid Now		330.00 Nos	2277:06
(120)	Supplying & laying LT XLPE Cable having aluminium conductor pre insulated extruded liner sheath galvanised steel strip (screened armoured) conforming to IS 3975 1999 outer sheath armoured cable with screened IS 1554 PVC all						

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc,
1	2
	Lead and l incidental
	Ward No. 7 to 9
	Rate - 1
(121)	Labour C existing pole as p

BOOK

...sions				
Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
...ide	page no.		
		330.00 Nos	
BOQ	qty.	330.00 Nos	
paid	now	330.00 Nos	
			2277.00
cable having aluminium extruded inner sheath ... 2C X 10 sq mm ... IS 3975 / 1990 outer sheath ... IS 1554 ... all			

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Measurement Book

No. B 495084

Serial No. ....
Name of Work .... From.............................. To..............................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Lead and lift loading and unloading and allowance incidental charges complete as per specification. Work no. 06 recorded under page no. 7 to 9					119.80 mtr	
	Rate - 152.00			BOQ	qty.	120.00 mtr	
		qty	to be	paid	now	119.80 mtr	18209.60
(21)	Labour charges for laying 1.1 KV class UG cable in existing trench or pipes stone ware pipes on wall or pole as required in existing trench duct 25 sq mm						

4951 W.05

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	to 75 sqmm WM all lead and wt loading and unloading and all other incidental charge etc.. complete as per specification.						
	Ward No. 06 recorded vide page No. 9 to 11					119.80	mtr
				BOQ qty -		120.00	mtr
		qty to be paid now				119.80	mtr 38332.60
	Rate - 32:00						
(122)	Thyristor based single three phase smart street light control and monitoring system remote control and monitoring smart street light system has hardware aggregators overhead						

Serial No. ....
Name of Work ....
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2
	Issue like li... irregularities & remote light... per specification the work.
	Ward No. 06 ... page No. 11
	Rate. 47380:00

Depth 6	Contents 7	Reference to last Measurement 8
… wit loading and		
… unload charge etc..		
… m.		
… page No.		
	119.80	MW
… Qty.	120.00	MW
… Now	119.80	MW
		38332 …
… ee	Phase	Smart Sm…
… system	Remote …	
… Smart	Street lighting	
… together	overhead	

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Measurement Book

No. B 495085

Serial No. ....
Name of Work .... From............................ To............................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Issue like line cross line short lighting and uncommon irregularities in voltage as has some features like remote lighting handles controlling etc.. complete all per specification and direction of the Engineer incharge the work.						
	Ward No.-06 recorded vide					17.00	Nos
	Page No. 11			B/F	Qty.	17.00	Nos
	Rate- 47380:00	Qty to be	paid		Now	17.00	Nos 805460:00

4951 W.05

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
123	Supplying Tinned Copper lugs and crimping cu[illegible] wiring to terminals point for wire & the following size 25 sqmm Cu Barrel with all lead and lugs loading and unloading etc. complete as per specification [illegible] Ward No.06 recorded vide page no. 11 to 12					45.00	Nos
				Booked qty		45.00	Nos
	Qty to be paid			Nos		45.00	Nos
	Rate. 19[illegible]:00						888.00
124	Earthwork excavation by manual means in ordinary soil involving an average horizontal through up[illegible]						

Serial No. ....
Name of Work ....
Name of Contractor of nature of [illegible]
Date of commencement of work [illegible]

Date 1	Full description, etc, o[illegible] 2
	2 meters [illegible] surface le[illegible] earth to be[illegible] etc. com[illegible] New Name[illegible] No. 1
	Rate. 18[illegible]

OOK

Depth 6	Contents 7	Reference to last Measurement 8
gs and crimping cu		
wire & the following		
n and load and lowe		
mpete as per Specn con		
ge no.	45.00 Nos	
day	45.00 Nos	
No 2	45.00 Nos	
	888:00	
manual means in ord		
rizontal through up		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

495086

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	2 nos deep and an average lift upto 0.00 mtrs excavated surface levelled and sides neatly dressed the disposed earth rose levelled neatly after breaking & clods and ese. complete as per Specification.						
	New Name Boards recorded vide page No. 1					12.96 m^3	
	Rate. 187:00	Qty to be Paid		Book qty.		12.96 m^3	
						12.96 m^3	2423:52

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(125)	Direction and Place identification signs upto 0.90 sqm size Board Manufacturing supply and installation of retro-reflectorised compo mandatory and cautionary signboards made up of 3 side corner micro prismatic grade sheeting Conforming to type xi standard of IRC 67:2012 Spec and fixed over galvanised aluminium skeleton as complete as per specification. New Name Boards decided vide page No. 3 to 4,					216.00 M^2	
						Book Adj - 216.00 M^2	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of wo
1	2
	Page - 79
(126)	Painting pr mix paint & surface specification and wh coat close ex

...NT BOOK

...ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

...ntification signs upto manufacturing supply ...ro-reflectorised cautionary ... ferry ... made on ... grade sheeting ... IRC 67-2012 ... aluminium sheet ... ication.

...ecorded vide page

216.00 M2

Booked - 216.00 M2

M. A. R. 57 (Rule 116)
Measurement Book

No. B 495087

Serial No. ....
Name of Work .... From.................................. To..................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

Qty to be paid now 216.00 M2

Rate - 7903.00 — 1707048.00

(126) Painting providing and applying two coats of ready mix paint of approved brand after through cleaning of surface to give an even shade complete as per specification painting on steel surface with all lead and lift loading and unloading and all other incidental charges etc. complete as per specification.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	New Name Boards recorded vide Page No. 4					432.00 M²	
	Old Name Boards Page No. 4					558.00 M²	
					BoQ Qty.	0	
					Total Qty	990.00 M²	
					BoQ Qty	990.00 M²	
	Qty to be Paid Now					990.00 M²	
	Rate. 56:00						55440:00
(127)	Painting New Letter and Figures of any shade with Synthetic enamel Paint black or any other approved Colour to give an even shade						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Compose as Hyphen and Wall lead Compose as New Name Page No. 4 Old Name Page No. 4

OOK

Depth 6	Contents 7	Reference to last Measurement 8
ded vide		
	432.00 m^2	
	558.00 m2	
~~Boa ady~~.		
al ady	990.00 m^2	
a ady	990.00 m^2	
id now	990.00 m^2	
		55440 : m
gures of any shade		
ng block or any		
ce on even shade		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 495088

Serial No. ....
Name of Work .... From.............................. To..............................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Complete as per specification English and Roman hyphen and the like not to be measured and paid wheel lead and lift loading and unloading etc.. Complete as per specification.						
	New Name Boards recorded vide page no. 4 to 5					139200.00	
	Old Name Boards recorded vide page no. 4 to 5					179800.00	

4951 W.05

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
						319000.00 cm	
				Bod	Qty	319000.00 cm	
	Rase. 0.49	Qty	to be	paid	Now	319000.00 cm	
							156310:
128	Manufacturing supply and fixing & Retro-reflection Road name sign board single Arrow size 1.98 x 0.90 mm size made out & as wide use corner micro prismatic grade sheeting conforming to IRC 67-2010 and specification standards & ASTM						

Serial No. ....
Name of Work ....
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2
	D 4986.09 Sq aluminium ... sheet ... 68 NB 1.5 mm and dimension ...
	Retro-Refle... vide page no..

OOK

...dth	Depth 6	Contents 7	Reference to last Measurement 8
		319000.00 cm	
...ed day		319000.00 cm	
...id Now		319000.00 cm	
			156310.[illegible]
...d	Fixing &	Retro-	
...n	board single	Arrow	
...le	out & as	wide as per	
...ic	grade sheeting	on	
...ear. per	standards &	ASTM	

M. A. R. 57 (Rule 116)
Measurement Book

No. B **495089**

Serial No. ....
Name of Work .... From................................ To.....................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	D 4986 . 09 Specification and fixed over 2 mm thick aluminium sheet back support frame 30 NB 1.2 mm thick stainless steel pipe all round and around and 65 NB 1.5 mm etc. complete as per specification and direction of the Engineer incharge of the work.						
	Retro-Reflection Boards recorded vide page no. 5					12.00	Nos
					Total	12.00	Nos

[signature] [signature]

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Boq Qty		12.00 Nos	
	Quantity to be Paid Now -					12.00 Nos	
							3106802
	Rate - 25890.00						
	Ck.R.Sampathkumar					Total Rs.	38838360

12/6/18

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-28

12/6/2018

4951 W.O.5

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 3.
ಗಳನ್ನು ಪಾವತಿ ಮಾಡಿದೆ : ಇದರ
ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉ
ರೂ Rs Three crore
four hunded
ಚೆಕ್ ಸಂಖ್ಯೆಯಂತೆ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧೀಕ್ಷಕರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ.

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th	Depth 6	Contents 7	Reference to last Measurement 8
		Qty 12.00 Nos	
		Now - 12.00 Nos	
			310680=0
		Total RS.	38838360

12/6/2018

M. A. R. 57 (Rule 116)
Measurement Book

No. B

495090

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						Total Rs: 3,88,38,360-00	
						IT - 3,88,384-00	
						CEL - 3 88384-00	
						CBR - 38838-00	
						LR - 322267-00	
						Advt - 11,37,873-00	
						Cheque: 3,77,00 487-00	

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 3.8838,360-00
ಗಳಿಕೆ ಪಾ: ಮಾಡಿದೆ: ಇದರಲ್ಲಿ ರೂ 11,37,873-00
ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 3,77,00487-00
ರೂ Rs: Three Crores Seventy-Seven Lakh Four Hundred eighty-Seven only.
ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧೀಕ್ಷಕರು

28/6